40”/46”/46”HB
Slim Video Wall Monitor

User’s Guide

PrimeView Inc.

http://www.primeview.biz

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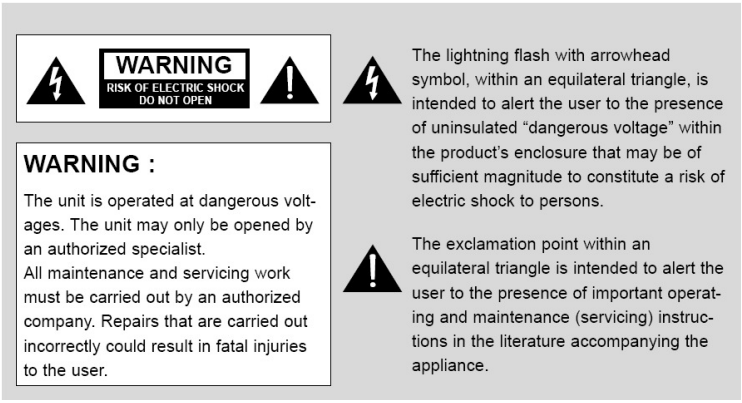
Precaution

Before operating the set, please read this manual carefully.


WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN
WARNING :
The unit is operated at dangerous voltages. The unit may only be opened by an authorized specialist.
All maintenance and servicing work must be carried out by an authorized company. Repairs that are carried out incorrectly could result in fatal injuries to the user.
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:
To reduce the risk of electric shock does not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel. To prevent fire or shock hazard, do not expose the rear of the set to rain or moisture. Do not rub or strike the Active Matrix LCD with anything hard as this may scratch, mark, or damage the Active Matrix LCD permanently.

CAUTION:
Unauthorized tampering with the inside of the monitor invalidates the warranty.
The manufacturer shall not warrant for any damage caused by improper maintenance and/or repair work by third parties.

Important safeguards for you and your new product:
Your product has been manufactured and tested with your safety in mind. However, improper use can result in potential electrical shock or fire hazards. To avoid defeating the safeguards that have been built into your new product, please read and observe the following safety points when installing and using your new product and save them for future reference.

1. ***Read Instructions***

2. ***Follow Instructions***
   All operating and use instructions should be followed.

3. ***Retain Instructions***
   The safety and operating instructions should be retained for future reference.

4. ***Heed Warnings***
   All warnings on the product and in the operating instructions should be adhered to.

5. ***Cleaning***
   Disconnect the unit from the electricity supply before cleaning. Do not use abrasive cleaners. Use a damp cloth for cleaning.

6. ***Water and Moisture***
   Do not use this apparatus near water.

7. ***Transporting Product***

A product and cart combination should be moved with care. Quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn.

8. ***Attachments***
   *Do not use attachments not recommended by **PRIMEVIEW, Inc**. as they may cause hazards.*

9. ***Ventilation***
   Do not block any of the ventilation openings.
   Install in accordance with the manufacturer’s instructions.

10. ***Power Sources***
    This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your supplying dealer.

11. ***Power Lead Polarization***
    This product is equipped with a three-wire grounding-type cord. This is a safety feature. Do not defeat the safety purpose of the grounding-type cord.

12. ***Power Cord Protection***
    Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit from the product.

13. ***Outdoor Cable Grounding***
    If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. A “face plate” also needs to be installed with an isolating capacitor to prevent any damage from static.

14. ***Lightning***
    For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent possible damage to the product due to lightning and power-line surges.

15. ***Power Lines***
    An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to avoid contact with such power lines or circuits, as contact with them might be fatal.

16. ***Earthling the product***
    This product must be earthed properly to comply with the safety regulations in the country of use. If you are unsure of these regulations, please consult a qualified electrician.

17. ***Servicing***
    Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltages or other hazards. Refer all servicing to qualified service personnel. If the Set does not operate properly, switch it off and call your dealer.

18. ***Damage Requiring Service***
    Isolate this product from the mains supply and refer servicing to qualified service personnel under the following conditions:

    A. *If the power-supply cord or plug is damaged.*
    B. *If the glass front has been damaged.*
    C. *If there is ingress of water between the glass and the LCD screen.*
    D. *If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.*

E. If the product has been dropped or the cabinet has been damaged.
F. If the product exhibits a distinct change in performance.

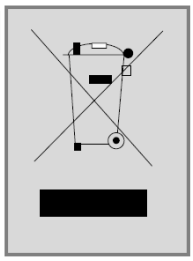
19. ***Safety Check***
Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition and the front seal is in tact.

20. ***Mounting***
The product should be mounted on a wall only as recommended in the instructions.

21. ***Power***
This set operates on an AC supply; the voltage is as indicated on the label on the Manual. This appliance must be earthed at all times through the chassis as well as through the power lead.

22. ***Location***
Do not install on an unstable location with support area smaller than the DID SET.
Please secure enough space for safety use.

Note



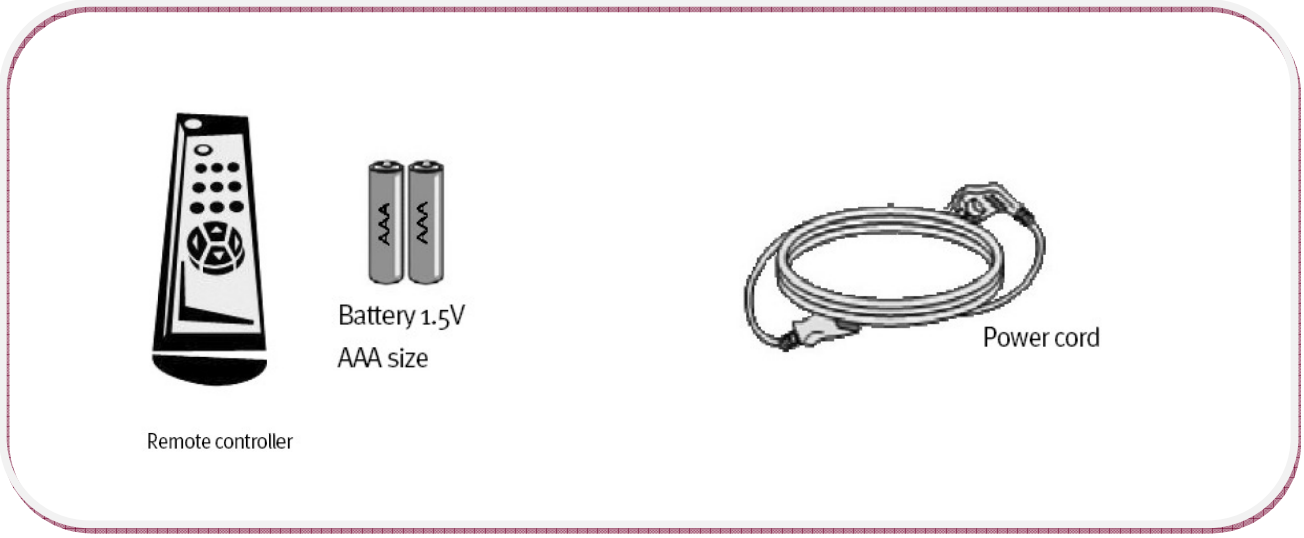
This product is designed and manufactured with high quality materials and components which can be recycled and reused.
This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.
Please, dispose of this equipment at your local community waste collection/recycling centre.
In the European Union there are separate collection systems for used electrical and electronic product.
Please, help us to conserve the environment we live in!

Including

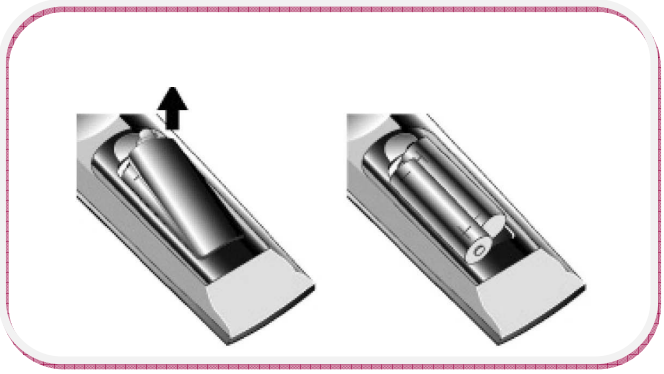
Supplied Accessories

Make sure the following accessories are provided with your product. These should all be included in the box with the main LCD screen

DEFECT PIXEL THAT CAN BE SEEN ON LCD MONITOR SCREEN



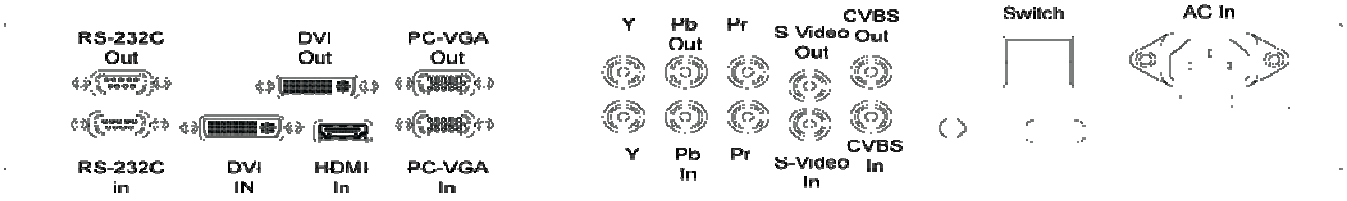
Remote Controller



- Remove the rear cover of the remote controller by pressing the arrow Symbol downwards and then pulling firmly to remove it.
- Insert two supplied batteries (1.5V of AAA type).
- Ensure that the polarities (+ and -) of the batteries are aligned correctly. Close the cover.

Operations

Connection Details



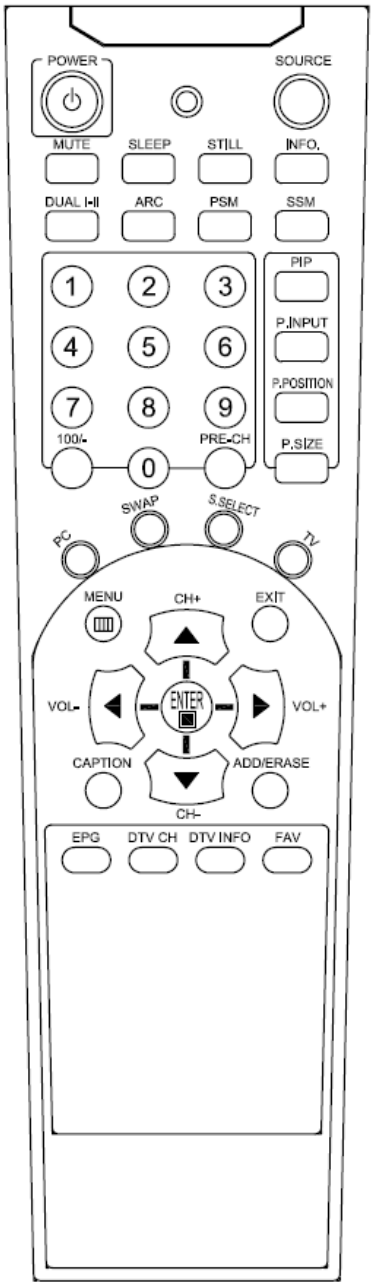
Connection Panel

Interface description

Interface	Description
AC Inlet	AC90V ~ 240V, 50Hz/60Hz
AC Switch	Main Isolating Switch
HDMI	High Definition Multimedia Input
DVI-I	DVI-I Type Digital / Analog PC Video Input High Definition Multimedia Input Compatible
SPDIF Optical	HDMI Digital Optical Audio Output
RS-232	Facility to control the screen via RS232 protocol
Component	Y(RCA green), Pb(RCA blue), Pr(RCA red) Component Video Input
AV1, AV2	CVBS / Composite Input
S-Video	Y, C Input
Audio in	Each Source Audio Input

Infra-Red Remote Controller

Key Name	Descriptions
Power	Power On/Off
Menu	Activates main OSD menu. Navigates higher menu in main OSD menu.
Up	Navigates input source. Executes function (by OSD help commands) in main OSD menu. Navigates previous menu in main OSD menu.
Down	Navigates input source. Executes function (by OSD help commands) in main OSD menu. Navigates next menu in main OSD menu.
Right	Increases sound volume of speaker/headphone. Executes function by OSD help commands in main OSD menu. Increases values of user menu in main OSD menu.
Left	Decreases sound volume of speaker/headphone. Executes function (by OSD help commands) in main OSD menu. Decreases values of user menu in main OSD menu.
Enter	Activates OSD menu of input source selecting. Changes input source by selecting. Executes functions (by OSD help commands) in main OSD menu. Activates Child menu.
EXIT	Exit OSD menu
Info	Displays input source information
Mute	Toggles sound status of speaker/headphone in mute.
Source	Activates OSD of source change. Deactivates OSD of source change.
PSM (Picture Standard Mode)	Selects pre-set picture standard mode.
SSM (Sound Standard Mode)	Selects pre-set sound standard mode.
ARC	Selects aspect ratio of display image
STILL	Toggles picture status between motion and still image.
Dual I-II / MTS	Selects mono/stereo sound.
PC	Selects input source of PC.



Front panel LED Operations

Status	Color	Operation
Power Off	Red	On
Normal	Green	On
Power Save	Red	Blinking
No Signal	Green	Blinking

Front Panel Key Descriptions

Key Name	Operation
Power Key	Power On/Off.
Menu Key	Activates main OSD menu. Navigates higher menu in main OSD menu.
Select Key	Activates OSD menu of input source selecting. Changes input source by selecting. Executes functions (by OSD help commands) in main OSD menu. Activates Child menu.
Up Key	Navigates input source. Executes function (by OSD help commands) in main OSD menu. Navigates previous menu in main OSD menu.
Down Key	Navigates input source. Executes function (by OSD help commands) in main OSD menu. Navigates next menu in main OSD menu.
Left Key	Decreases sound volume of speaker/headphone. Executes function (by OSD help commands) in main OSD menu. Decreases values of user menu in main OSD menu.
Right Key	Increases sound volume of speaker/headphone. Executes function by OSD help commands in main OSD menu. Increases values of user menu in main OSD menu.

Menu Operation

In this menu system, there are several ways to customize the menu settings provided.
Most menus consist of three levels to set up the options, but some require greater depth for the variety of settings. If you press the **MENU** button, only the first and second level of the menu system will appear on the monitor screen. The third level can be displayed by pressing **SELECT** (or ▶). If a menu has more than three levels, the pop-up dialogue box will be displayed as the fourth or fifth level.

To show and remove the Menu:

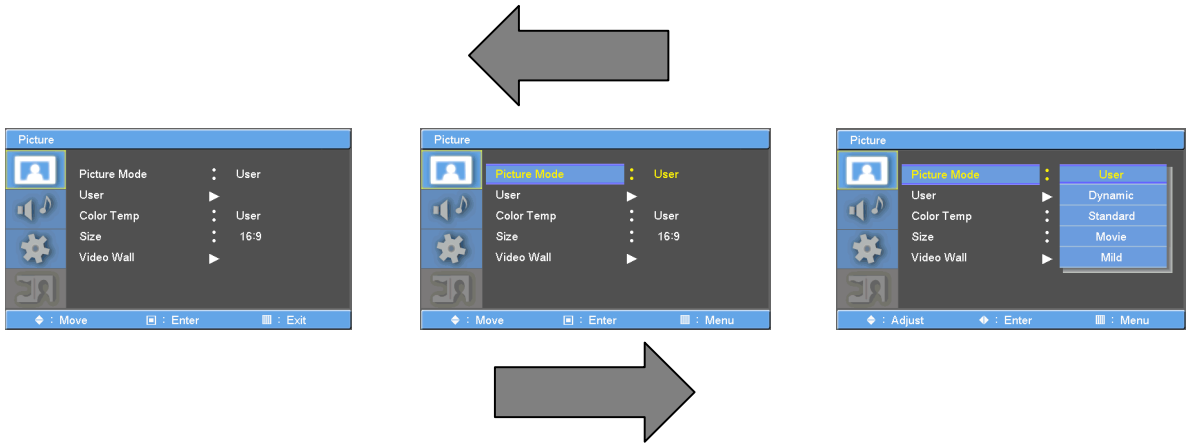
Press the **MENU** button on the Remote Control to display the menu. A second press of the **MENU** button or a press of the **EXIT** button will take you back to monitor viewing.

To go to the next level:

Press **SELECT** (or ▶) on the Remote Control.

To go back to the previous level:

Press **MENU** (or ◀) on the Remote Control.



Typical Menu Operation

1. Press **MENU** button: The main menu will appear.
2. Use ▲/▼ to select the desired menu option (icon).
3. While the desired menu option is selected, press ▶ or (**SELECT**) to move to the second level.
4. Use▲/▼ to select the second menu option.
5. Press ▶ or (**SELECT**) to move to the third level: Some menu options require additional steps.
6. Press **MENU** to return to the previous menu or press **EXIT** on the Remote Control to return to monitor viewing.

BASIC OPERATION

Turning On the Monitor

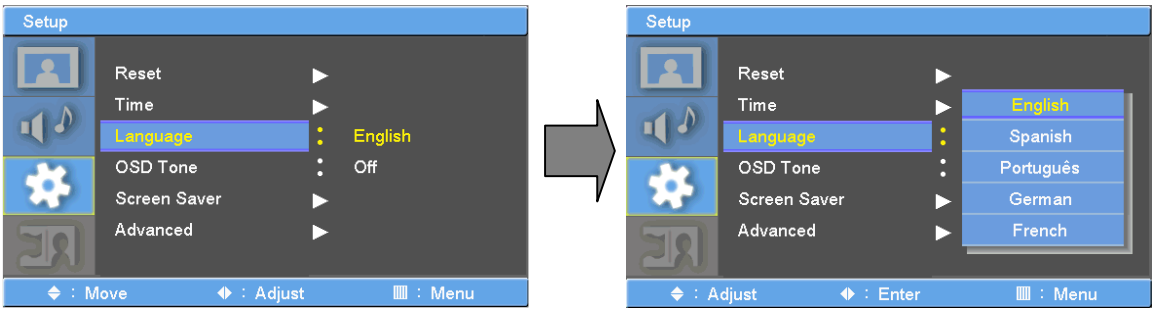
1. First, connect power cord correctly. At this moment, the monitor switches to standby or power on mode. In standby mode, in order to turn monitor on, press the **POWER** button on the remote control.

2. Select the viewing source by using **SOURCE** button on the remote control.

Volume Adjustment (A/V extension option)

1. Press the VOL+/- ◀ / ▶ button to adjust the volume.
2. If you want to switch the sound off, press the **MUTE** button on the remote control.
3. You can cancel this function by pressing the **MUTE** or VOL+/- ◀ / ▶ button.

On Screen Menu’s Language Selection



- The menus can be shown on the screen in the selected language. First select your language.

1. Press the **MENU** button and then use ▲/▼ button to select the **SETUP** icon.
2. Press the ▶ button and then use ▲/▼ button to select **Menu Language** menu.
3. Press the ▶ button and then use ▲/▼ button to select your desired language:

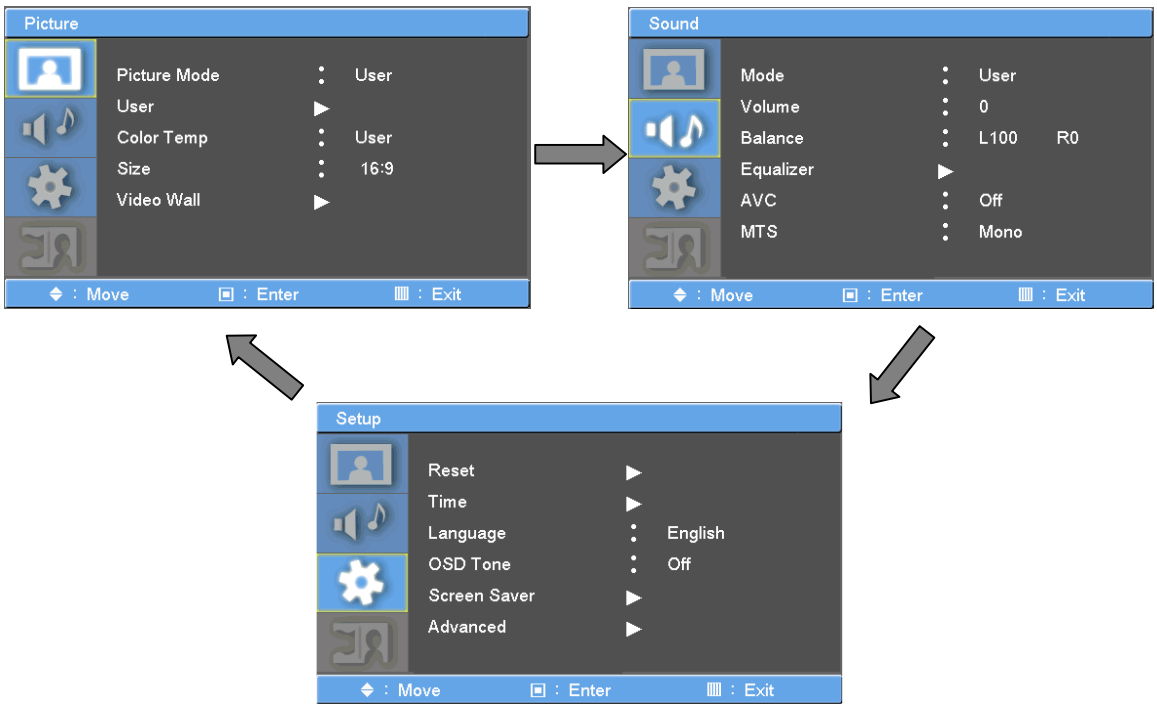
From this point on, the on-screen menus will be shown in the selected language.

4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

On Screen Menus Selection and Adjustment

How to adjust the OSD screen

1. Press the **MENU** button and then ▲/▼ button to select each menu.
2. Press the ▶ button and then use ▲ /▼ /◀ /▶ button to display the available menus.

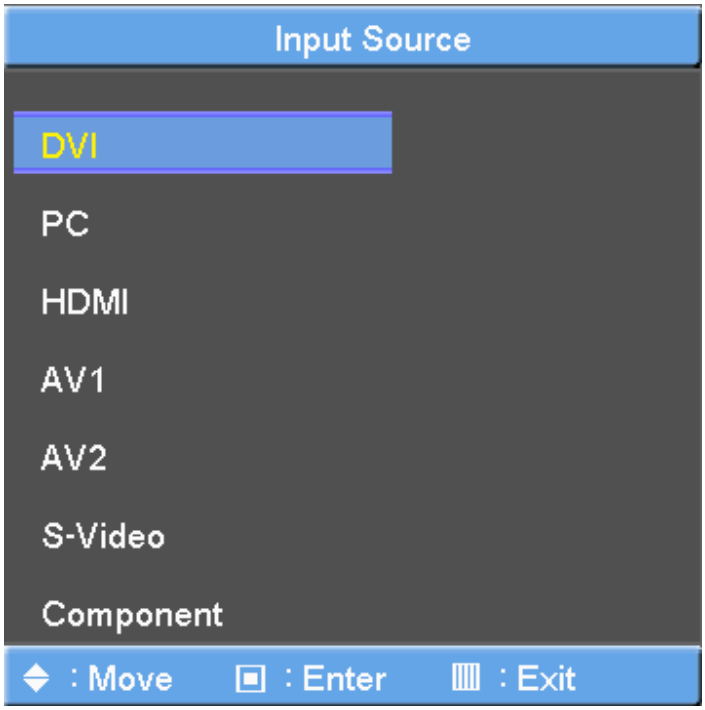


• Your monitor's OSD (On Screen Display) may differ slightly from what is shown in this manual.

Select Video Input

How to Select Video Source by OSD (AV extension option)

1. Press the **SOURCE** button and then ▲/▼ button to select each video source.
2. Press the ▶ / **SELECT** button to go to desired video source

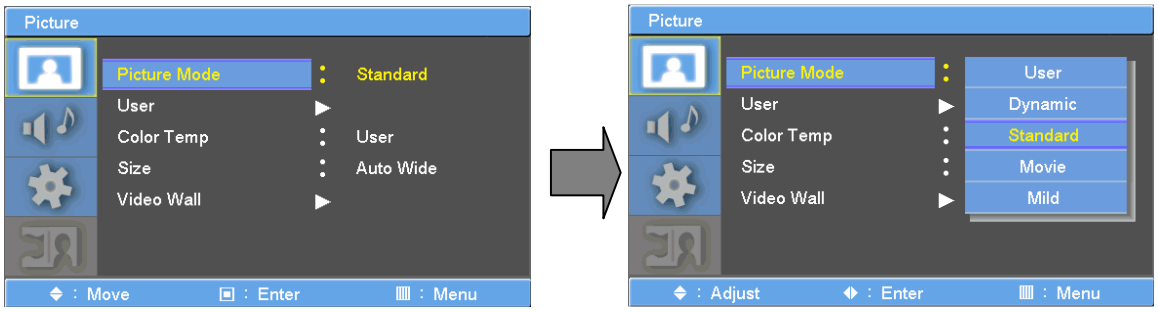


How to Select Video Source Directly (in case of no AV Extension)

1. Press the **SOURCE** button.
2. Whenever pressing the **SOURCE** button, monitor will show and change the current video source.
3. When the video source changes as desired, stop pressing the **SOURCE** button.

Picture Menu Options

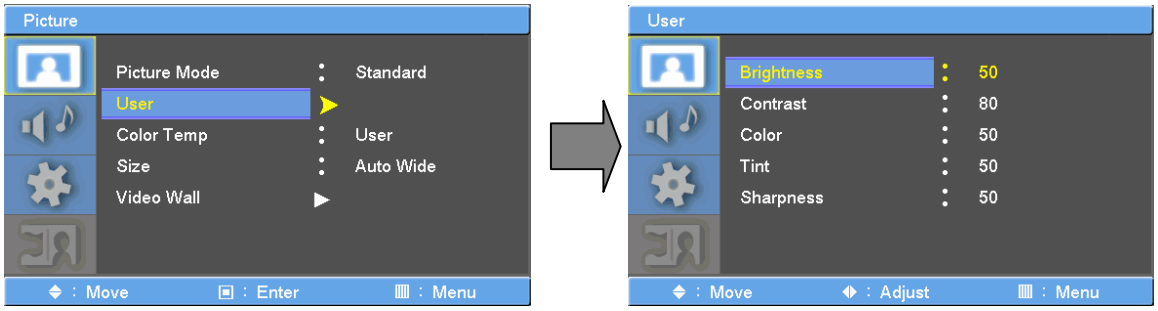
Picture Mode



- Select the picture appearance to suit your preference and viewing situations.

1. Press the **MENU** button and then ▲/▼ button to select the **PICTURE** icon.
2. Press the ▶ button and then use ▲/▼ button to select the desired picture option;
   User, Dynamic, Standard, Movie, Mild.
3. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

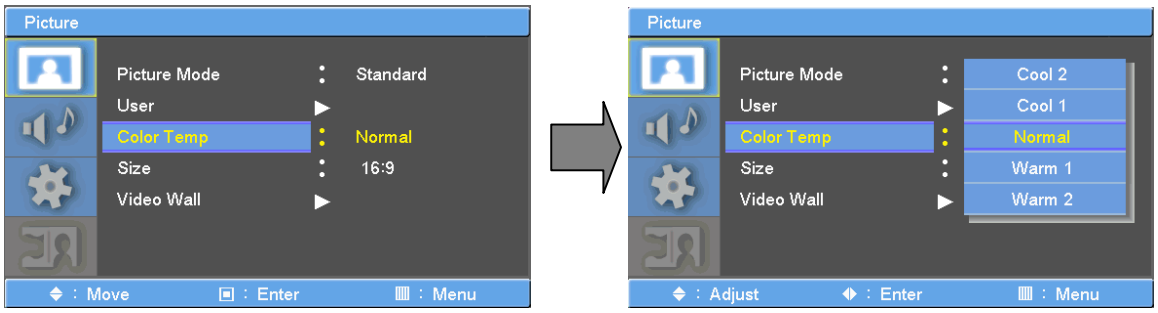
User Control



- Adjust the picture appearance to suit your preference and viewing situations.

1. Press the **MENU** button and then ▲/▼ button to select the **PICTURE** icon.
2. Press the ▶ button and then use ▲/▼ button to select the desired picture option;
   Contrast, Brightness, Sharpness (All Sources),Color (Video/Component), Tint(NTSC), Phase(Component).
3. Press ▶ button and then use ◀/▶ button to make appropriate adjustments.
4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

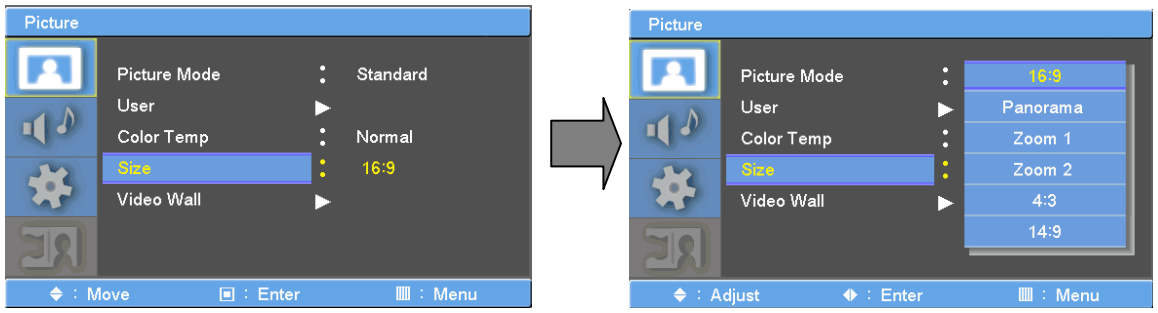
Color Temperature Control



- Choose one of five automatic color adjustments. Set to warm to enhance hotter colors such as red, or set to cool to see less intense colors with more blue.

1. Press the **MENU** button and then use ▲/▼button to select the **PICTURE** icon.
2. Press the ▶ button and then use ▲/▼button to select **Color Temperature** menu.
3. Press the ▶ button and then use ▲/▼button to select desired option:
   Cool2, Cool1, Normal, Warm1, Warm2.
4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

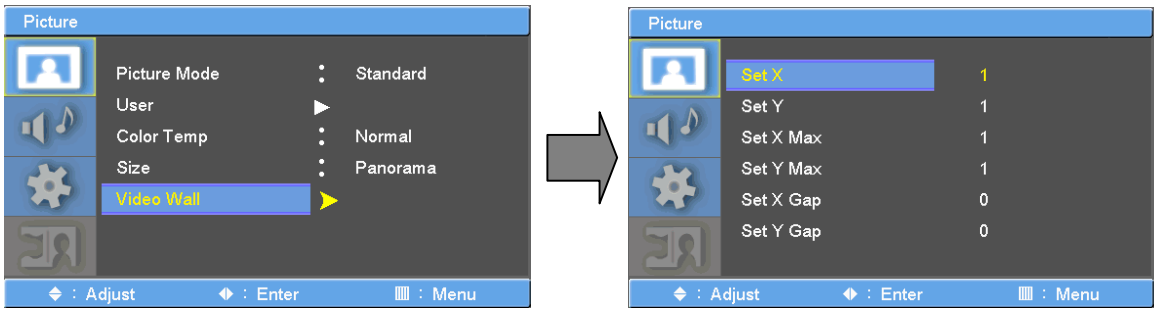
Aspect Ratio



- Selects the screen format.

1. Press the **MENU** button and then use ▲/▼button to select the **PICTURE** icon.
2. Press the ▶ button and then use ▲/▼button to select **Aspect Ratio** menu.
3. Press the ▶ button and then use ▲/▼button to select desired option:
   For Video Input - 16:9, Panorama, Zoom1, Zoom2, 4:3, 14:9.
   For DVI/PC Input - 16:9, 4:3, 1:1.
4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

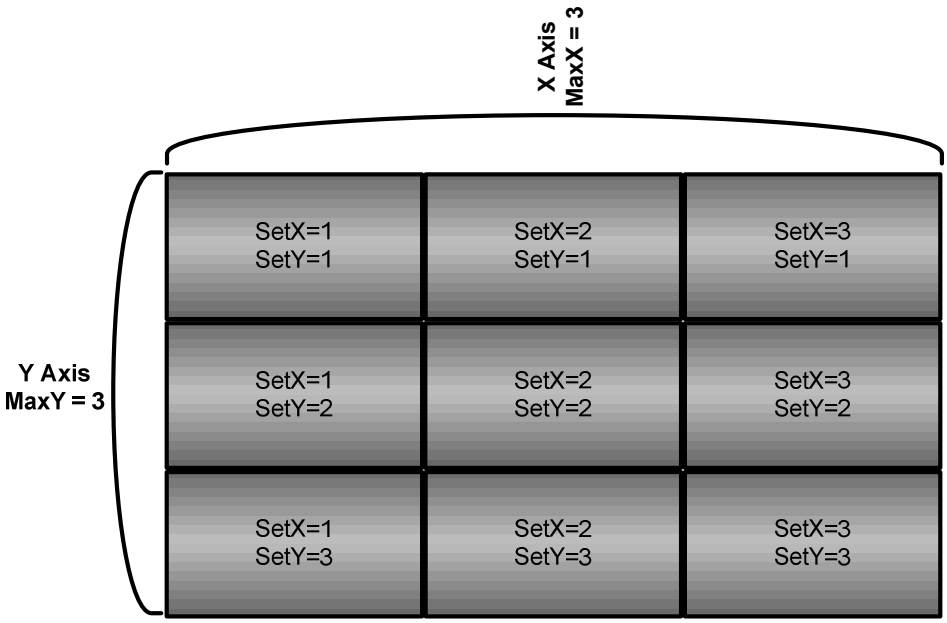
Video Wall



- For quick reset of all the Video menu options to their original factory preset values.

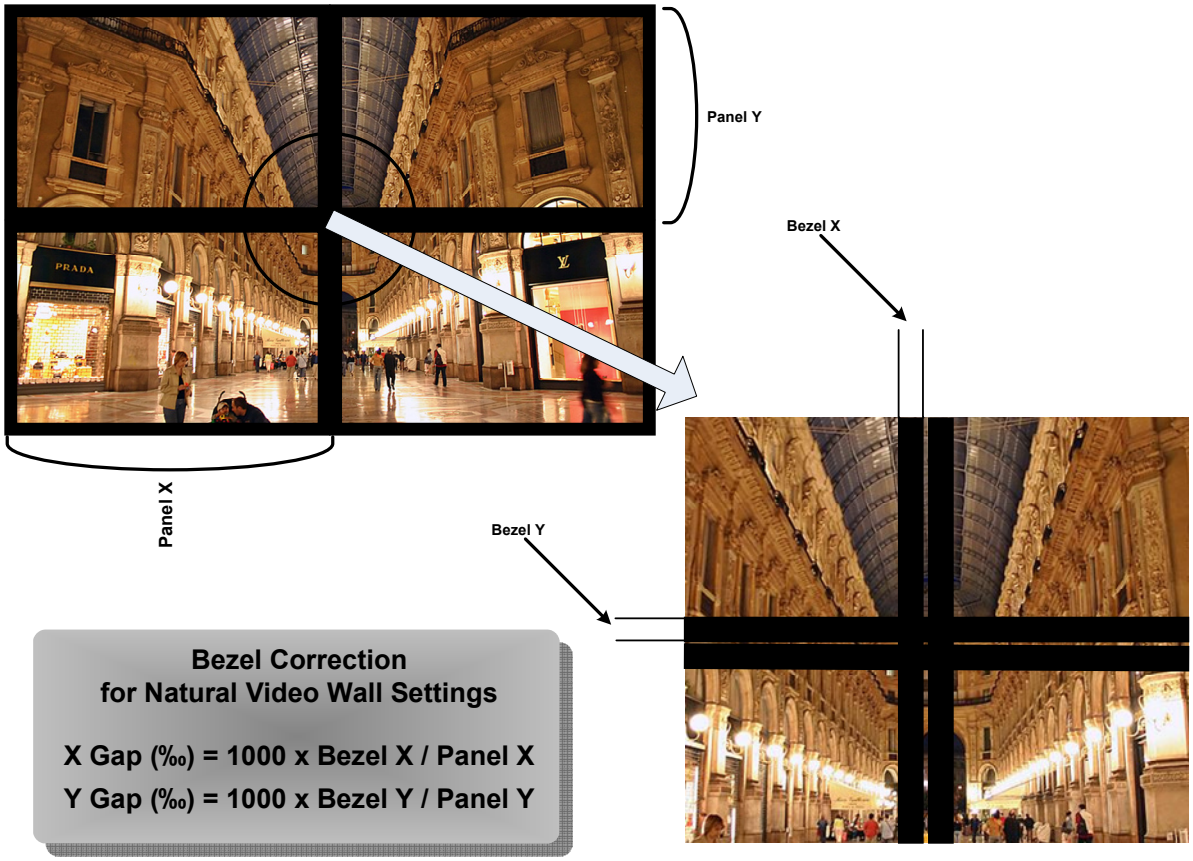
1. Press the **MENU** button and then use ▲/▼ button to select the **PICTURE** icon.
2. Press the ▶ button and then use ▲/▼ button to select **Video Wall** menu.
3. Press ◀/▶ button to make appropriate adjustments.
4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

Video Wall Layout Settings



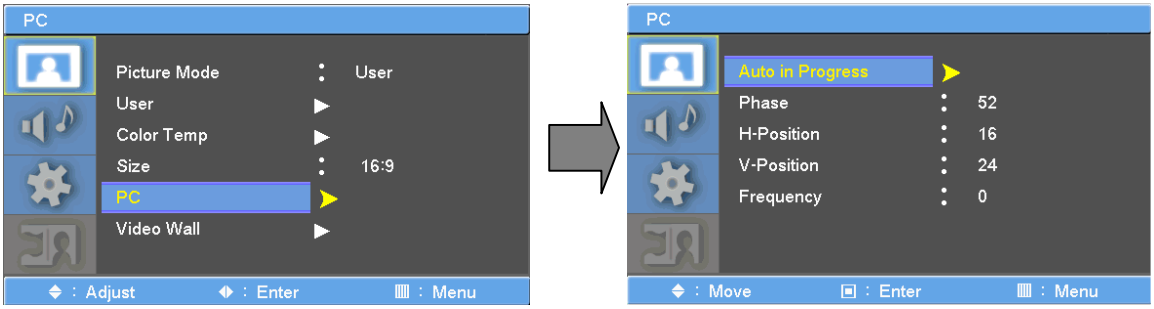
X Max : Maximum number of column tiles to divide video image.
Y Max : Maximum number of row tiles to divide video image.
Set X : Coordinate of video image’s column position.
Set Y : Coordinate of video image’s row position.

Setting the Bezel Corrections for Natural Tiled Image


Panel Y
Bezel X
Panel X
Bezel Y
Bezel Correction
for Natural Video Wall Settings
X Gap (‰) = 1000 x Bezel X / Panel X
Y Gap (‰) = 1000 x Bezel Y / Panel Y

X Gap : Proportional Value of Vertical Bezel to Panel size by Per-mil unit.
Y Gap : Proportional Value of Horizontal Bezel to Panel size by Per-mil unit.

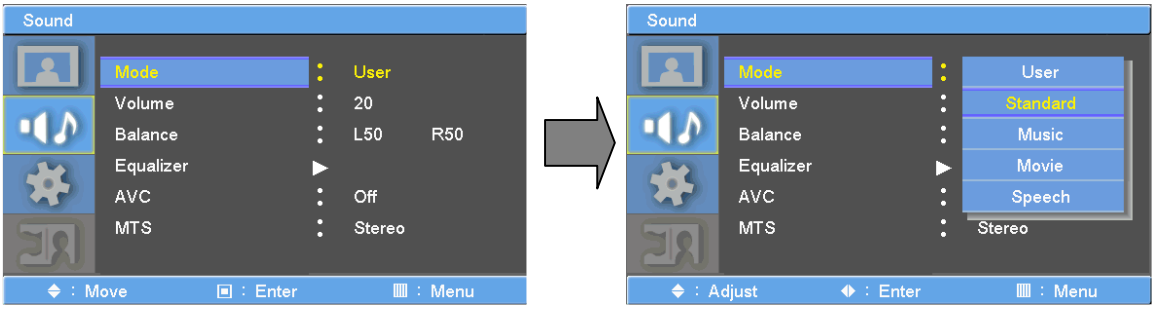
PC Menu



1. Press the **MENU** button and then use ▲/▼ button to select the **PICTURE** icon.
2. Press the ▶ button and then use ▲/▼ button to select **PC Menu**.
3. Press ▶ button and then use ◀/▶ button to make appropriate adjustments.
4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

Sound Menu Options (AV Extension)

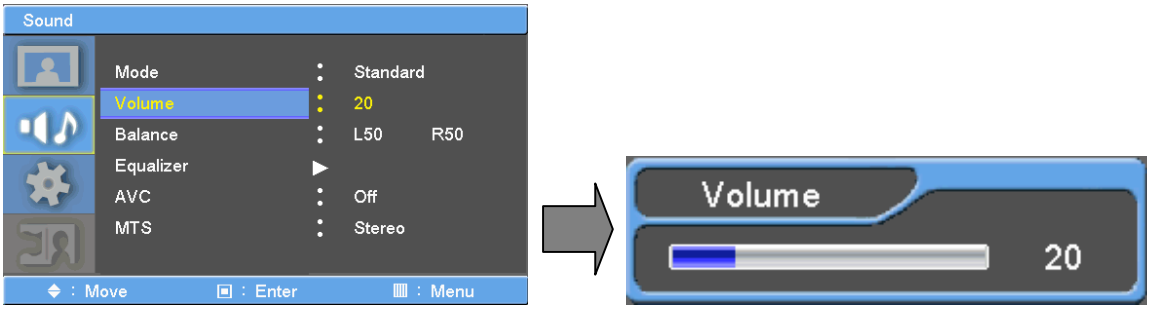
Sound Standard Mode



- Adjust the sound to suit your taste and room situations.

1. Press the **MENU** button and then use ▲/▼button to select the **SOUND** icon.
2. Press the ▶button and then use ▲/▼button to select **Mode** menu.
3. Press the ▶button and then use ▲/▼button to select: **User, Standard, Music, Movie and Speech**.
4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

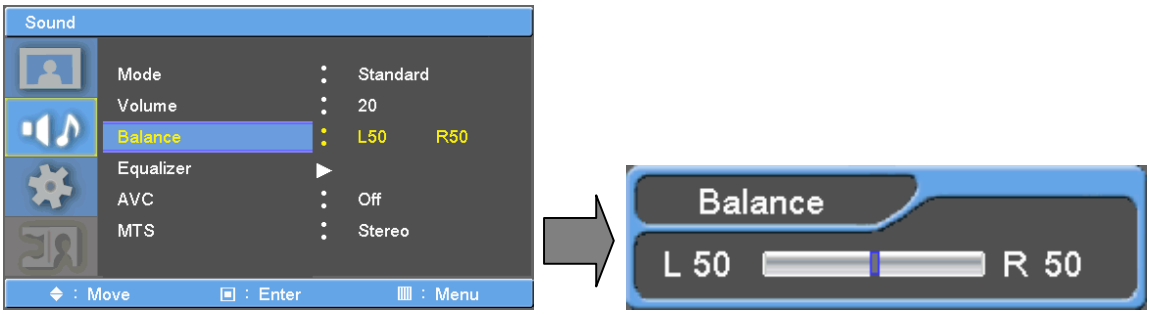
Volume



- Adjust the sound to suit your taste and room situations.

1. Press the **MENU** button and then use ▲/▼button to select the **SOUND** icon.
2. Press the ▶button and then use ▲/▼button to select the **Volume** menu.
3. Press ▶ button and then use ◀/▶ button to make appropriate adjustments.
4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

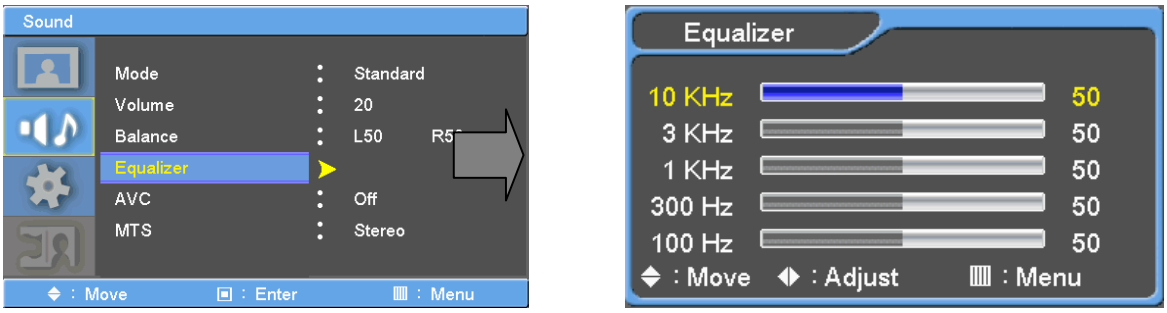
Sound Balance



- Adjust the sound to suit your taste and room situations.

1. Press the **MENU** button and then use ▲/▼button to select the **SOUND** icon.
2. Press the ▶button and then use ▲/▼button to select the **Balance** menu.
3. Press ▶ button and then use ◀/▶ button to make appropriate adjustments.
4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

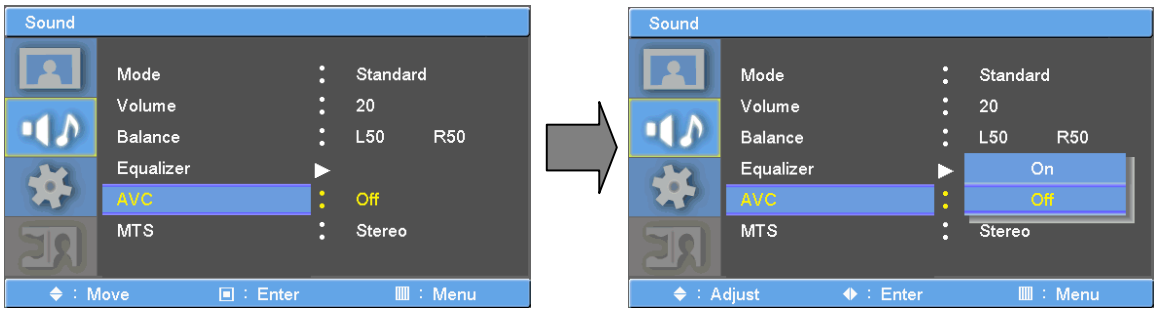
User Control for 5 Bands Equalizer



- If the Equalizer settings are changed, sound mode setting goes to **User** automatically.

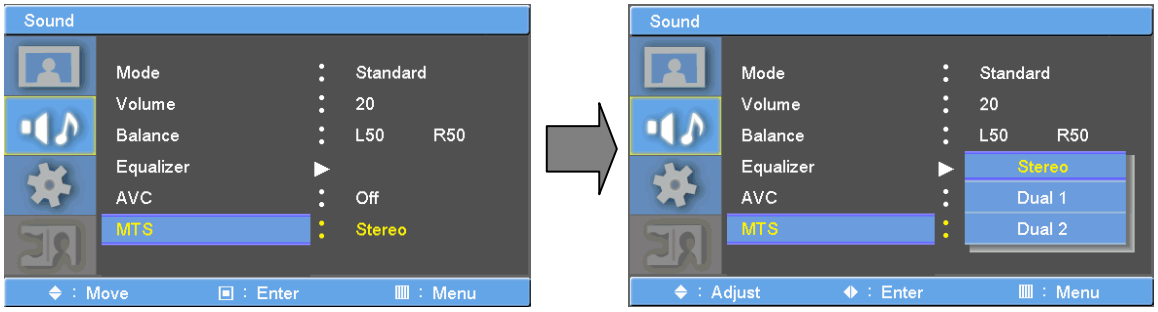
1. Press the **MENU** button and then use ▲/▼button to select the **SOUND** icon.
2. Press the ▶button and then use ▲/▼button to select the **Equalizer** menu.
3. Press the ▶button and then use ◀/▶button to make appropriate adjustments;
   10 KHz, 3 KHz, 1 KHz, 300 Hz, 100 Hz Sound Band
4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

AVC (Automatic Volume Level Control)



1. Press the **MENU** button and then use ▲/▼button to select the **SOUND** icon.
2. Press the ▶button and then use ▲/▼button to select **AVC** menu.
3. Press the ▶button and then use ▲/▼button to select: **On, Off**
4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

MTS (Multi Channel Sound Control)



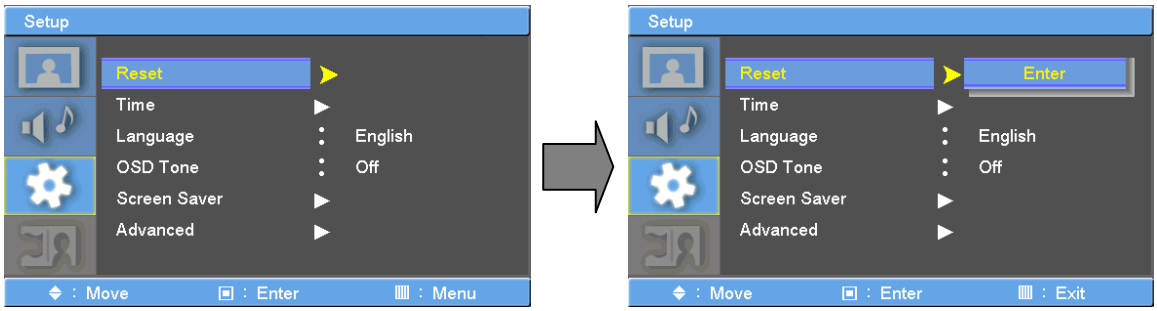
- MTS feature is selecting one(L or R) or both(L+R) channel of sound input generating bilingual stereo sound output.

1. Press the **MENU** button and then use ▲/▼button to select the **SOUND** icon.
2. Press the ▶button and then use ▲/▼button to select **MTS** menu.
3. Press the ▶button and then use ▲/▼button to select: **Stereo, Dual 1, Dual 2**
4. Press **EXIT** button to return to monitor viewing or press **MENU** button to return to the previous menu.

Setup Menu Options

Reset

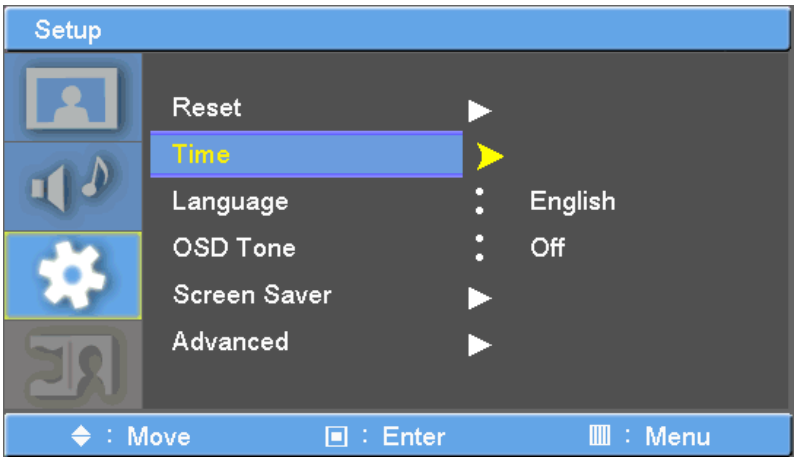
Resets user setting values as default



1. Press the **MENU** button and then use ▲/▼button to select the **SETUP** icon.
2. Press the ▶button and then use ▲/▼button to select the **Reset** menu.
3. Press the ▶ or **SELECT** button and then monitor’s user settings are reset as default.

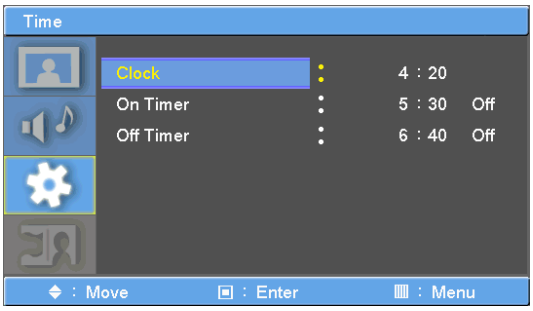
Time Settings

Enable the user to set up the clock information.



Clock

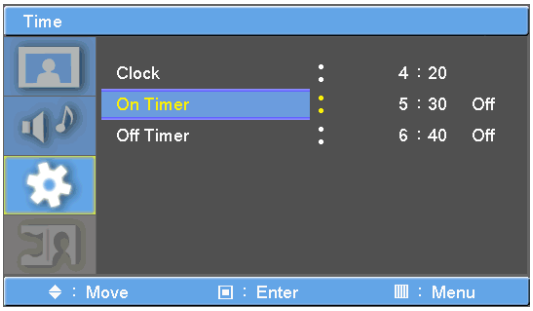
If current time setting is wrong, reset the clock manually.



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶ button and then use ▲/▼button to select Time.
3. Press the ▶ button and then use ▲/▼button to select Clock.
4. Press the ▶ button and then use ◀/▶button to select the Hour, Minute.
5. Use ▲/▼button to adjust clock.
6. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

On Timer

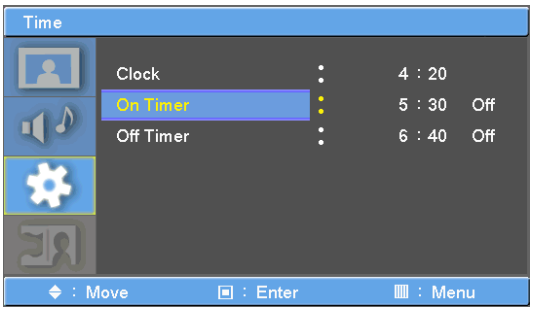
Timer function operates only if current time has been set.



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶ button and then use ▲/▼button to select Time.
3. Press the ▶ button and then use ▲/▼button to select On Timer.
4. Press the ▶ button and then use ◀/▶button to select the Hour, Minute, Activation.
5. Use ▲/▼button to adjust on time schedule and activation.
6. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Off Timer

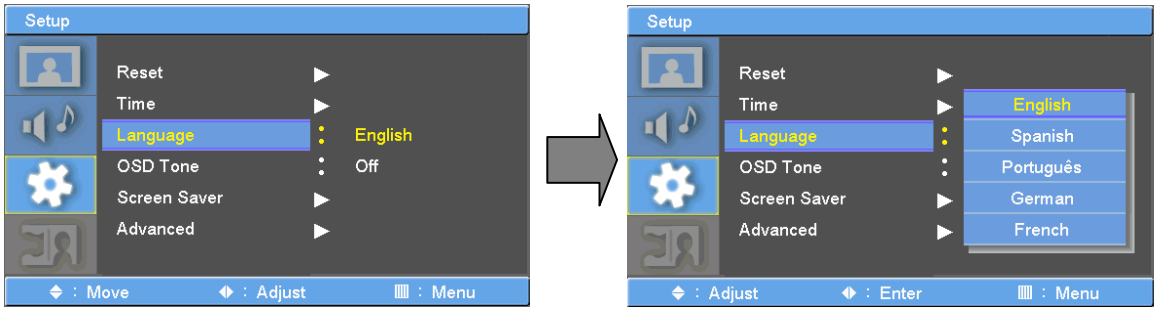
Timer function operates only if current time has been set.



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶ button and then use ▲/▼button to select Time.
3. Press the ▶ button and then use ▲/▼button to select Off Timer.
4. Press the ▶ button and then use ◀/▶button to select the **Hour, Minute, Activation.**
5. Use ▲/▼button to adjust off time schedule and activation.
6. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Language

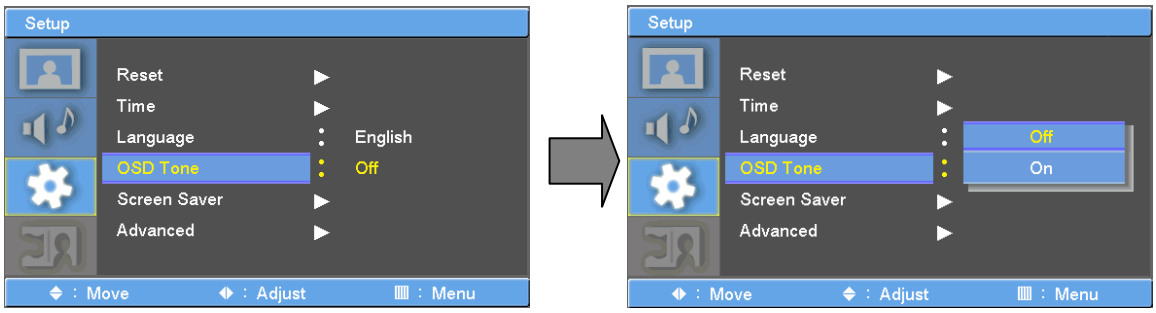
- Select a language for the menus to appear in.



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Menu Language menu.
3. Press the ▶button and then use ▲/▼button to select the desired option:
   English, Spanish, Portuguese, German, French.
4. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

OSD Tone Control

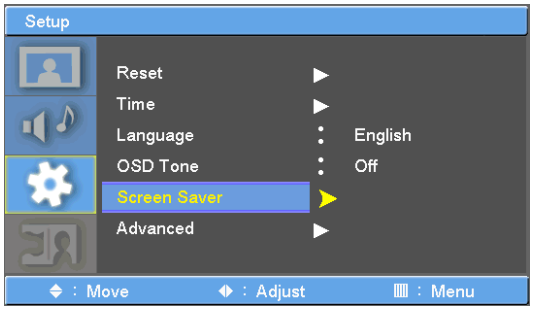
- Disable blending OSD background with video image.



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the OSD Tone menu.
3. Press the ▶button and then use ▲/▼button to select the desired option: Off, On.
4. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Screen Saver

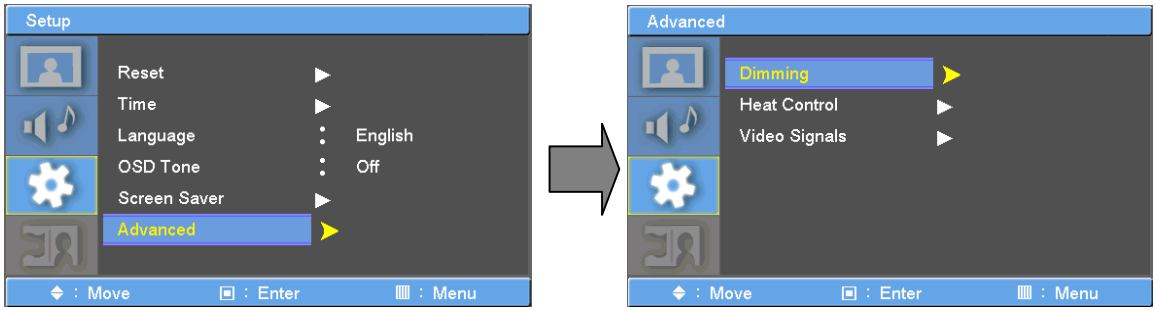
- Enables screen saver functions to avoid panel burning.



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Screen Saver Menu.
3. Press the ▶button and then use ▲/▼button to select the desired functions.
4. Press the ▶ button and then use ▲/▼ ◀/▶button to set Screen Saver options.
5. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Advanced Menu – Dimming (Light Ambient Sensor Option only)

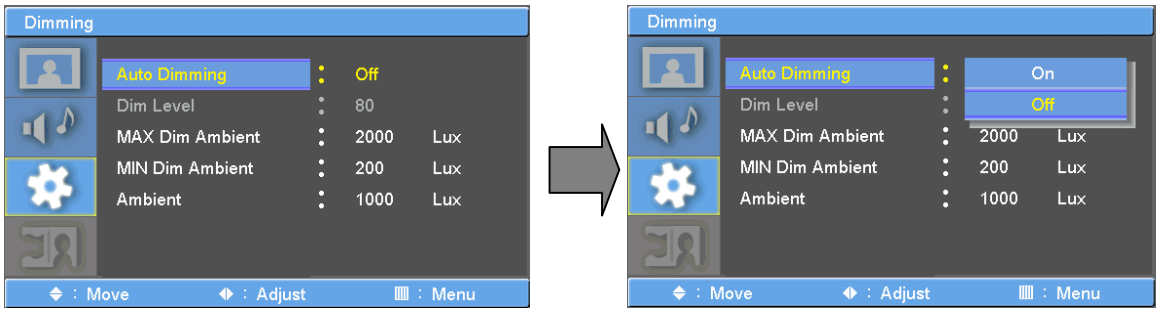
- Automatic dimming controls by light sensor in Dimming menu.



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Advanced Menu.
3. Press the ▶button and then use ▲/▼button to select the Dimming Menu.
4. Press the ▶ button and then use ▲/▼ ◀/▶button to set Dimming options.
5. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Dimming Menu – Auto Dimming (Light Ambient Sensor Option only)

- Enable/disables auto dimming control by light ambient sensor



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Advanced Menu.
3. Press the ▶button and then use ▲/▼button to select the Dimming Menu.
4. Press the ▶button and then use ▲/▼button to select the Auto Dimming functions.
5. Press the ▶ button and then use ▲/▼ button to set Auto Dimming options.
6. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

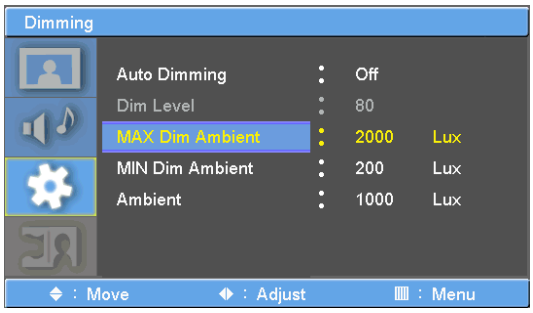
Dimming Menu – MAX Dim Ambient (Light Ambient Sensor Option only)

- Adjusts detected light ambient to set the maximum dimming

1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Advanced Menu.
3. Press the ▶button and then use ▲/▼button to select the Dimming Menu.
4. Press the ▶button and then use ▲/▼button to select the MAX Dim Ambient functions.
5. Use ◀/▶ button to set detected light ambient value by LUX unit.
6. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Dimming Menu – MIN Dim Ambient (Light Ambient Sensor Option only)

- Adjusts detected light ambient to set the minimum dimming



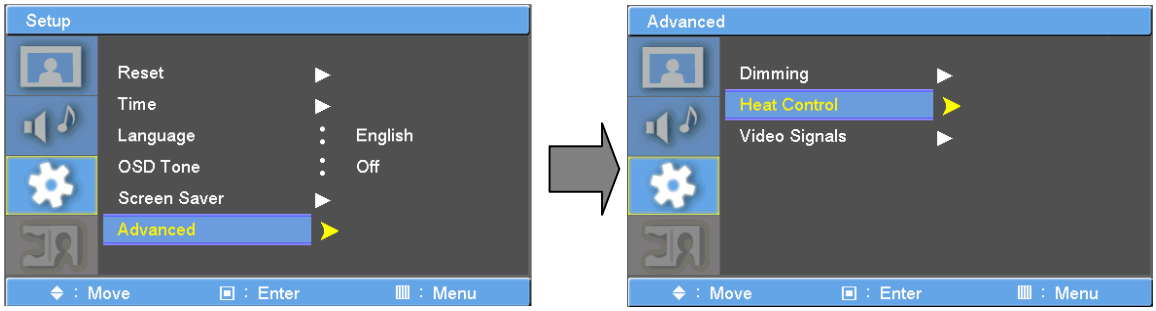
1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Advanced Menu.
3. Press the ▶button and then use ▲/▼button to select the Dimming Menu.
4. Press the ▶button and then use ▲/▼button to select the MIN Dim Ambient functions.
5. Use ◀/▶ button to set detected light ambient value by LUX unit.
6. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Dimming Menu – Ambient (Light Ambient Sensor Option only)

- Displays current detected light ambient level by LUX unit.

Advanced Menu – Heat Control

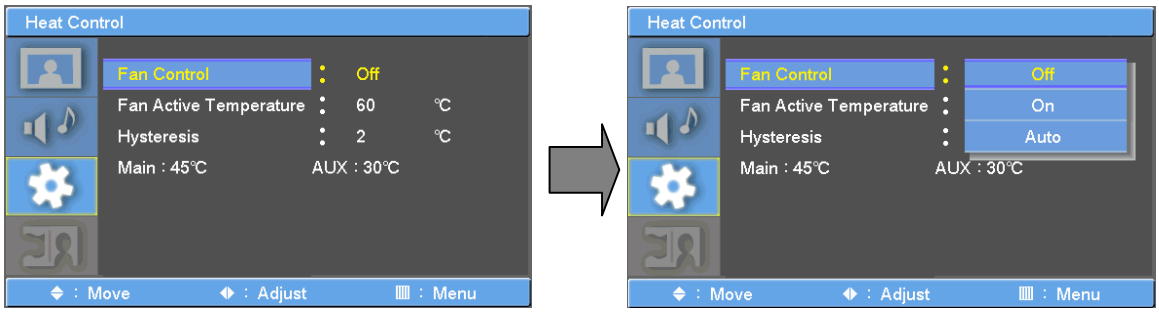
- Automatic Fan controls by internal/external temperature sensor in Dimming menu.



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Advanced Menu.
3. Press the ▶button and then use ▲/▼button to select the Heat Control Menu.
4. Press the ▶ button and then use ▲/▼ ◀/▶button to set Heat Control options.
5. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Heat Control Menu – Fan Control

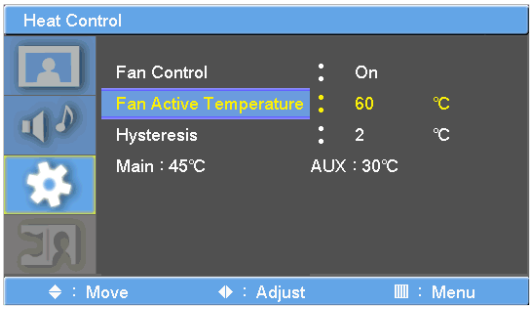
- Controls fan driving option by temperature sensor / force on / force off



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Advanced Menu.
3. Press the ▶button and then use ▲/▼button to select the Heat Control Menu.
4. Press the ▶button and then use ▲/▼button to select the Fan Control functions.
5. Press the ▶ button and then use ▲/▼ button to set Off, On, Auto options.
6. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Heat Control Menu – Fan Active Temperature

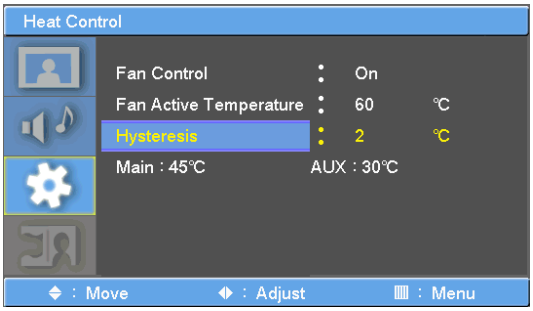
- Adjusts fan driving temperature by Celsius degree. It works only when the Fan Control setting is **Auto**.



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Advanced Menu.
3. Press the ▶button and then use ▲/▼button to select the Heat Control Menu.
4. Press the ▶button and then use ▲/▼button to select the Fan Active Temperature Menu.
5. Use ◀/▶ button to set fan driving temperature by Celsius degree unit.
6. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Heat Control Menu – Hysteresis

- Adjusts fan driving hysteresis temperature by Celsius degree.



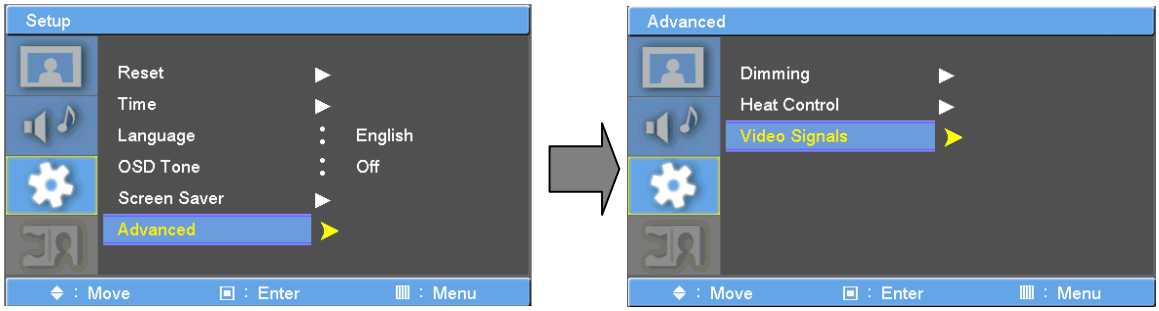
1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Advanced Menu.
3. Press the ▶button and then use ▲/▼button to select the Heat Control Menu.
4. Press the ▶button and then use ▲/▼button to select the Hysteresis Menu.
5. Use ◀/▶ button to set fan driving hysteresis temperature by Celsius degree unit.
6. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Heat Control – Current temperature

- Displays current detected main sensor’s temperature and auxiliary sensor’s (option) temperature

Advanced Menu – Video Signals

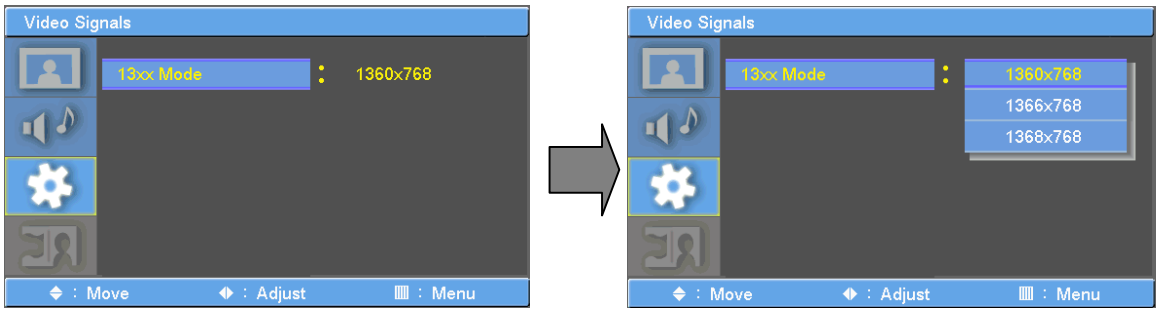
- Settings of PC native video signal detection timing.



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Advanced Menu.
3. Press the ▶button and then use ▲/▼button to select the Video Signals Menu.
4. Press the ▶ button and then use ▲/▼ ◀/▶button to set video signal detection options.
5. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Video Signals Menu – 13xx Mode

- Selects 13xx native PC video timings.



1. Press the MENU button and then use ▲/▼button to select the SETUP icon.
2. Press the ▶button and then use ▲/▼button to select the Advanced Menu.
3. Press the ▶button and then use ▲/▼button to select the Video Signals Menu.
4. Press the ▶button and then use ▲/▼button to select the 13xx Mode Menu.
5. Press the ▶ button and then use ▲/▼ button to set **1360x768, 1366x768, 1368x768** options.
6. Press EXIT button to return to monitor viewing or press MENU button to return to the previous menu.

Specifications & Ratings

Specifications

Items		Specifications
Display	Panel	40” / 46” / 46” HB DID Full HD panel
	Resolution	1920 (Horizontal) x 1080 (Vertical) Full HD Resolution
	Brightness	40”/46”: 700cd (3,000:1 Contrast Ratio)
		46” HB: 1,500cd (3,500:1 Contrast Ratio)
	Viewing Angle	178 (Horizontal) / 178 (Vertical)
Supportable Signals	Analog PC	H Frequency Range : 20~82 kHz
		V Frequency Range : 55 ~ 90 Hz
		Maximum resolution :1920x1080 60Hz
		Maximum pixel rate : 170 MHz
		DTV mode support : 720P, 1080i, 1080p
		Separate / Composite / SOG sync support
	Digital PC / HDMI	H Frequency Range : 20~82 kHz
		V Frequency Range : 55 ~ 90 Hz
		Maximum resolution : 1920x1080 60Hz
		Maximum pixel rate : 170 MHz
		DTV mode support: 720P/1080i/1080p
	Component(DTV/DVD)	1080p / 1080i / 720p / 576p / 576i / 480p / 480i
	CVBS, S-Video	NTSC, PAL Standard
Connector (Video Input)	AV	RCA CVBS In (75 ohm, 1.0Vp-p)
	S-Video	SVHS Y/C In (75 ohms, 1.0/0.3 Vp-p)
	Component	Y-Cb/Pb-Cr/Pr RCA In (75 ohms, 0.7Vp-p)
	DVI-I (Analogue)	DSUB In (Analogue: 75 ohms ±10%, 0.7Vp-p ±5%)
	DVI-I (Digital)	TMDS In (Digital Signal)
	HDMI	TMDS In (Digital Signal)
Connector (Video Output) All analog video	AV	RCA CVBS In (75 ohm, 1.0Vp-p)
	S-Video	SVHS Y/C In (75 ohms, 1.0/0.3 Vp-p)
	Component	Y-Cb/Pb-Cr/Pr RCA In (75 ohms, 0.7Vp-p)
	DVI-I (Analogue)	DSUB In (Analogue: 75 ohms ±10%, 0.7Vp-p ±5%)

can be converted to DVI out (No Signal Loss)	DVI-I (Digital)	TMDS In (Digital Signal)
	HDMI	TMDS In (Digital Signal)
Connector (Audio Input)	AV/S-Video	RCA Stereo Audio Line In (500mVrms)
	Component	RCA Stereo Audio Line In (500mVrms)
	DVI-I	3.5mm JACK Stereo PC/DVI COMMON (500mVrms)
	SPDIF OUT	HDMI => Optical
Control Port	RS-232 In/Out	D-sub (9Pin), IR remote control in/out (daisy chained)
OSD	Color	8Bit color (16,256 Colour Palette)
	OSD Type	Graphic & text
	Language Support	Unicode string format English, German, French, Spanish, Portuguese.
Power	AC Input Voltage	AC 110 V - 240 V (60/50 Hz)
	Power Consumption	570 Watt
Conditions	Operating Temperature	0℃ ~ 40℃ (32℉ ~ 104℉)
	Operating Humidity	20% ~ 85% (Non Dew)
	Storage Temperature	-10℃ ~ 50℃ (14℉ ~ 122℉)
	Storage Humidity	10% ~ 90% (Non Dew)
Mechanics	Housing	Metal Rear Cover
	Net Dimension	911.7 x 524.2 x 100 (40”) /1047.4 x 600.6 x 110 (46”)
	Net Weight	23Kg (without Stand)
	Packing Weight	32Kg (without Stand)

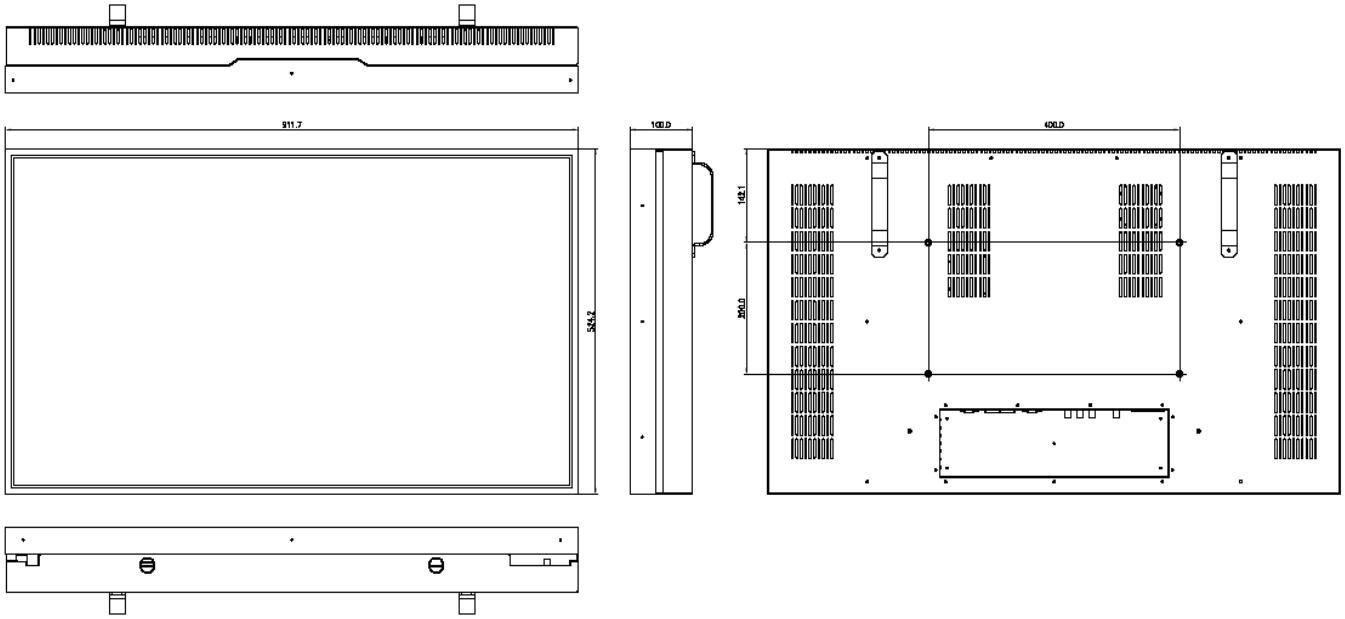
Supported Video Timing

Section	Resolution	H Frequency (kHz)	V Frequency (Hz)	Pixel Frequency (MHz)	Comment
PC	640x400	37.861	85.08	31.5	
	640x350	31.469	70.087	25.175	
	640x350	37.861	85.08	31.5	
	640x480	31.469	59.94	25.175	
	640x480	35.000	66.667	30.24	
	640x480	37.861	72.809	29.765	
	640x480	37.500	75.0	31.5	
	640x480	43.269	85.008	36.0	
	640x480	45.540	90.0	37.889	
	720x400	31.469	70.087	28.322	
	720x400	37.927	85.039	35.5	
	800x600	35.156	56.25	36.0	
	800x600	37.879	60.317	40.0	
	800x600	43.764	70.02	45.513	
	800x600	48.077	72.188	50.0	
	800x600	46.875	75.0	49.5	
	800x600	53.674	85.061	56.25	
	800x600	56.250	90.0	60.065	
	1024x768	48.780	60.001	64.11	
	1024x768	48.363	60.004	65.0	
	1024x768	56.476	70.069	75.0	
	1024x768	57.703	72.039	78.476	
	1024x768	60.241	74.927	81.724	
	1024x768	60.030	75.029	78.75	
	1024x768	68.677	84.997	94.5	
	1152x864	67.500	75.0	104.993	
	1152x870	68.681	75.062	100.0	
	1152x900	61.846	66.0	94.787	
	1280x720	47.760	60.0	74.481	
	1280x768	60.150	75.0	102.977	
	1280x960	60.000	60.0	102.104	
	1280x1024	63.337	59.978	108.18	
	1280x1024	63.981	60.02	108.0	
	1280x1024	63.600	60.0	108.883	
	1280x1024	64.754	60.06	108.992	

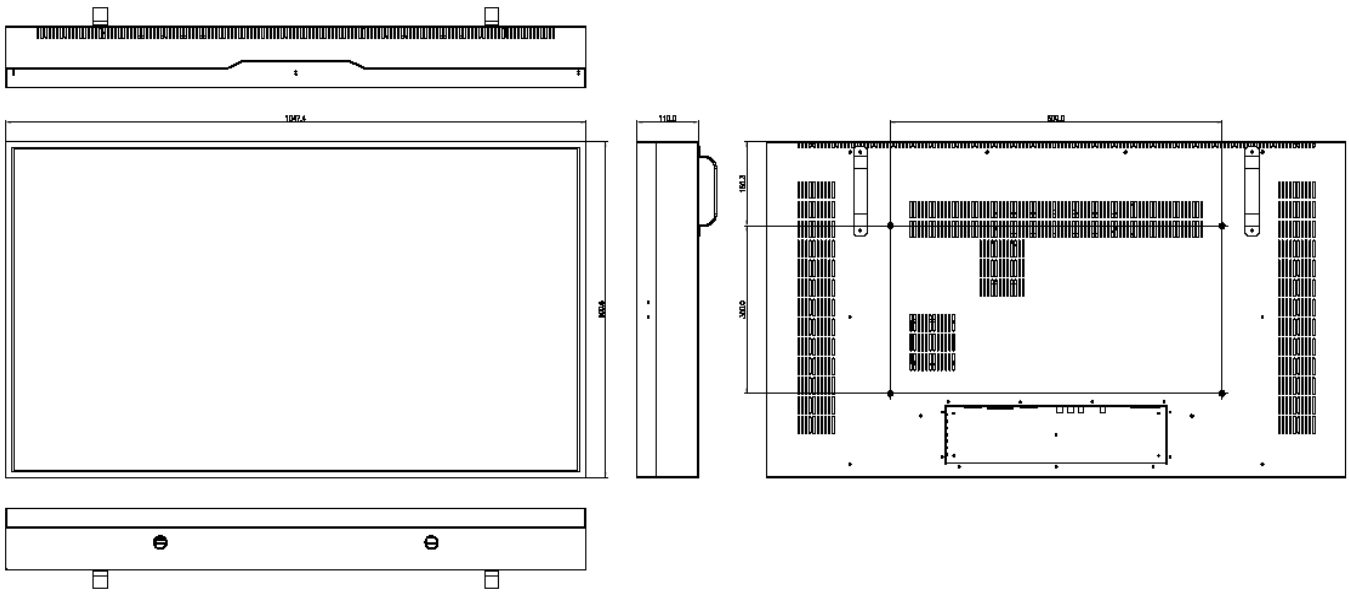
	1360x768	47.700	60.0	84.700	
	1600x1200	75.000	60.0	162.000	4:3 Mode Only
DTV	720x480	15.735	59.94	13.500	Interlaced
	720x576	15.735	50.0	13.595	Interlaced
	720x480	31.469	59.94	25.175	
	720x576	31.250	50.0	26.566	
	1280x720	44.964	59.94	74.176	
	1280x720	37.500	50.0	60.466	
	1920x1080	33.750	60.0	74.25	Interlaced
	1920x1080	28.125	50.0	70.723	Interlaced
	1920x1080	31.250	50.0	72.000	Interlaced
	1920x1080	67.5	60	148.5	
	1920x1080	67.5	50	148.5	

Mechanical Dimension

1. 40” Slim Video Wall



2. 46”/46” HB Slim Video Wall



Trouble Shooting

If Slim Video Wall monitor seems to have a problem, first check the following list of possible problem and solutions before contacting a service center. If none of these troubleshooting tips apply, do not attempt to service the product by yourself. Call service center.

The video function does not work.	
No picture & No sound.	Check whether the product is turned on. Is the power cord inserted into wall power outlet? Test the wall power outlet, plug another product’s power cord into the outlet where the product’s power cord was plugged in.
Picture appears slowly after switching on.	This is normal; the image is muted during the product startup process. Please contact your service center, if the picture has not appeared after five minutes.
No or poor color or poor picture.	Adjust Color in menu option. Keep a sufficient distance between the product and the devices. Are the source cable installed properly? Activate any function to restore the brightness of the picture.
Horizontal / Vertical bars or picture shaking.	Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels.	Station or cable product experiencing problems, tune to another station. • Check for sources of possible interference.

The operation does not work normally	
The remote control doesn’t not work	Check to see if there is any object between the product and the remote control causing obstruction. Are batteries installed with correct polarity (+ to +, - to -)? Install new batteries.
Power is suddenly turn off.	Is the sleep timer set? Check the power control settings. Power interrupted. No source on station turned with Auto off activated.

The audio function does not work.	
Picture OK & No sound.	Press the VOL or VOLUME button Sound muted? Press MUTE button Try another channel. The problem may be with the broadcast Are the audio cables installed properly?
No output from one of the speakers.	Adjust Balance in menu option.

Unusual sound from inside the product.	A change in ambient humidity or temperature may result in an unusual noise when the product is turned on or off and does not indicate a fault with the product.

There is a problem in PC mode. (Only PC mode applied)	
The signal is out of range.	Check the specification of graphic card. Check it whether the signal cable is connected or loose. Check the input source.
Vertical bar or stripe on background & Horizontal Noise & Incorrect position.	Work the Auto adjust, or phase, or H/V position, Frequency.
Screen color is unstable or single color.	Check the signal cable. Reinstall the PC video card.

Serial Control Protocol

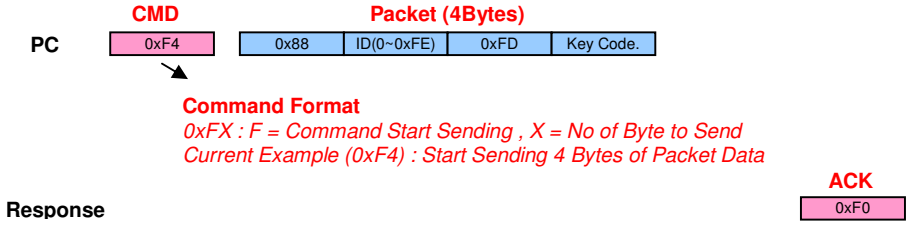
Serial Setup

Item	Settings
Baud rate	19200bps
Data Bit	8bit
Stop Bit	1bit
Parity Bit	None
Stream Control	None

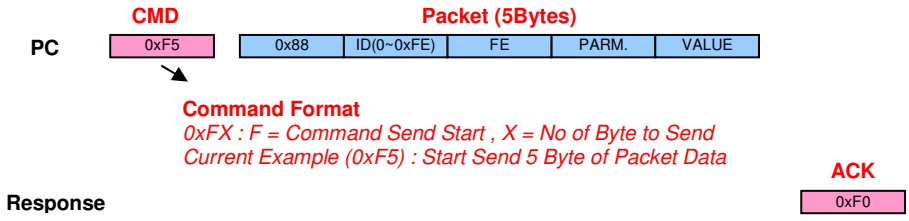
Cable: null modem (Rx-Tx crossed - DSUB9 Female), active connections Rx, Tx, Signal GND.

Protocols

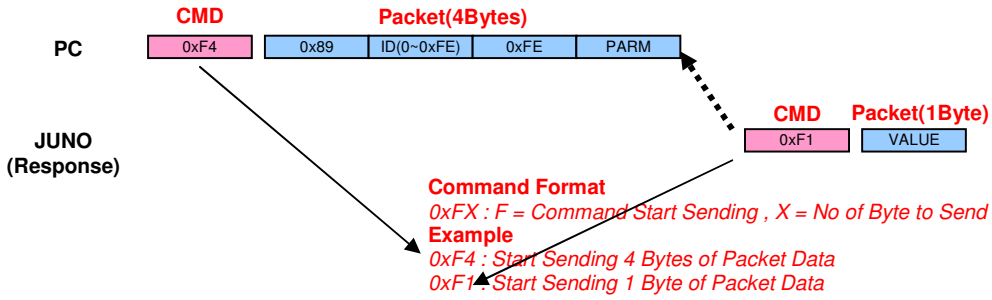
Virtual Remote Control



Setting Parameters to Monitor



Read Parameters from Monitor



Command Format

0xFX : F = Command Start Sending , X = No of Byte to Send

Example

0xF4 : Start Sending 4 Bytes of Packet Data

0xF1 : Start Sending 1 Byte of Packet Data

Control Command Packet

Virtual RCU (Remote Control Unit): Emulates the Infra Red Remote Control

CMD Command	Data1 Target	Data2 ID	Data3 CMD	Description	Data4 Key Code
0xF4 (Start Sending)	0x88	0xXX (0x00~0xFE)	0xFD (RCU)	KEY_INPUT	0x13
				KEY_POWER	0x11
				KEY_POWER_ON	0x80
				KEY_POWER_OFF	0x81
				KEY_VOLUP	0x53
				KEY_VOLDN	0x57
				KEY_MUTE	0x03
				KEY_SNDSTD	0x4A
				KEY_PICSTD	0x07
				KEY_MENU	0x43
				KEY_INFO	0x06
				KEY_STILL	0x0A
				KEY_PICSIZE	0x5A
				KEY_EXIT	0x50
				KEY_PC	0x58
				KEY_ENTER	0x04

System Parameter Direct Settings/Read Packet

CMD	Data1	Data2	Data3	Data4	Data5	Description	Range	
Command	Target	ID	CMD	Param	Value		Min	Max
0xF5 (Start Set) 0xF4 (Start Get)	0x88(Set) 0x89(Get)	0xXX (0x00~0xFE)	0xFE Set /Get Param.	0x00	0x00~0xFF (By Min-Max) Not Send in Get Mode	LANGUAGE	0	5
				0x01		CURRENTSOURCE(1)	0	10
				0x02		PC_PICTUREMODE	0	4
				0x03		COLORTEMP	0	5
				0x04		CONTRAST	0	100
				0x05		BRIGHTNESS	0	100
				0X06		SHARPNESS	0	100
				0x07		RF_PICTUREMODE	0	4
				0x08		RF_COLORTONE	1	5
				0x09		RF_CONTRAST	0	100
				0x0A		RF_BRIGHTNESS	0	100
				0x0B		RF_COLOR	0	100
				0x0C		NTSC_TINT	0	100
				0x0D		RF_SHARPNESS	0	100
				0x0E		SCALEMODE	0	-
				0x0F		USERRED	0	100
				0x10		USERGREEN	0	100
				0x11		USERBLUE	0	100
				0x16		MUTE	0	1
				0x17		SOUNDSTD	0	2
				0x18		AUTOVOLUME	0	1
				0x1A		VOLUME	0	100
				0x1C		BALANCE	0	100
				0x1D		EQ100HZ	0	20
				0x1E		EQ300HZ	0	20
				0x1F		EQ1KHZ	0	20
				0x20		EQ3KHZ	0	20
				0x21		EQ10KHZ	0	20
				0x22		ONHOUR	0	23
				0x23		ONMINUTE	0	59
				0x24		ONTIMEONOFF	0	1
				0x25		ONTIMEVOL	0	23
				0x26		OFFHOUR	0	59
				0x27		OFFMINUTE	0	1
				0x28		OFFTIMEONOFF	0	1
				0x2A		HALFTONE	0	1
				0x2B		BLUESCREEN	0	1
				0x2C		PIXELSHIFT_EN	0	1
				0x2D		WIPER_EN	0	1
				0x2E		BGGRAY	0	7
				0x2F		POWER(read only)	0	1

				0x30		CURHOUR	0	23
				0x31		CURMINUTE	0	59
				0x32		ILLUMINANCE	0	-
				0x33		MAX_ILLUMINANCE(2)	0	200
				0x34		MIN_ILLUMINANCE(3)	0	200
				0x35		AUTO_DIM	0	1
				0x36		DIM_LEVEL(4)	0	100
				0x37		CURTEMP_MAIN	0	-
				0x38		CURTEMP_AUX	0	-
				0x39		TEMP_THRESHOLD(5)	60	200
				0x3A		TEMP_HYSTERESIS(6)	2	20
				0x3B		FAN_CONTROL	0	2
				0x3C		FAN_ACTIVE	0	1
				0x3D		SETX	0	2
				0x3E		SETY	0	2
				0x3F		SETXMAX	1	3
				0x40		SETYMAX	1	3
				0x41		SETXGAP	0	200
				0x42		SETYGAP	0	200

Notice

(1) CURSOURCE Setting Value
AV1:0, AV2:1, AV3:2, COMP1:6, DVI:9, DSUB:10, HDMI:11

(2) MAX_ILLUMINANCE Settings
Setting Value = Ambient Level (by LUX) / 100
Ex) Desired Ambient is 10000 Lux, Setting is 100 (= 10000 / 100)

(3) MIN_ILLUMINACE Settings
Setting Value = Ambient Level (by LUX) / 10
Ex) Desired Ambient is 200 Lux, Setting is 20 (= 200 / 10)

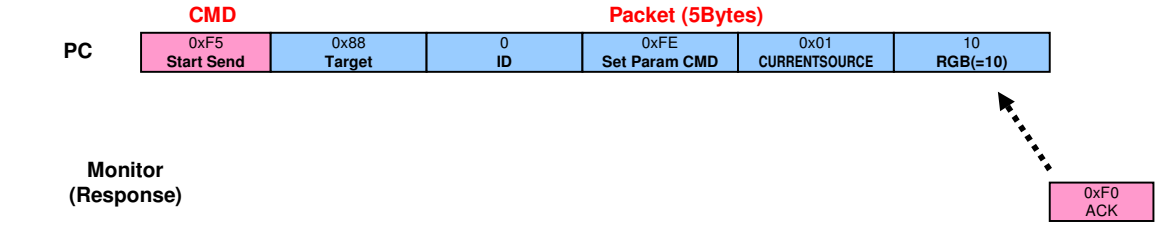
(4) DIM_LEVEL Settings
Dimming is controlled by Brightness Settings. Not working even set.

(5) TEMP_THRESHOLD Settings
Setting Value = Desired temperture(by Celsius) x 2 + 60
Ex) Desired temperature is 60℃, Setting is 180 (= 60 x 2 + 60)

(6) TEMP_HYSTERESIS Settings
Setting Value = Desired Hysteresis(by Celsius) x 2
Ex) Desired Hysteresis is 2℃, Setting is 4 (= 2 x 2)

Control Examples at Master PC

Set Input Source to RGB Input



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Read Power State